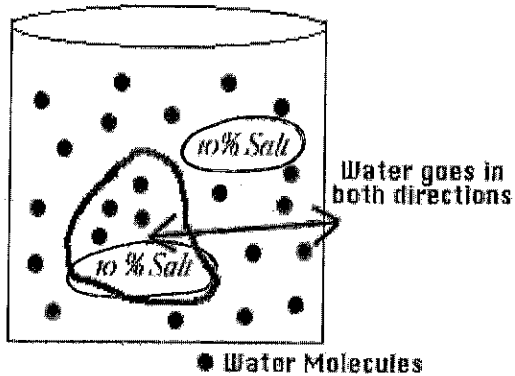


# Osmotic Solutions

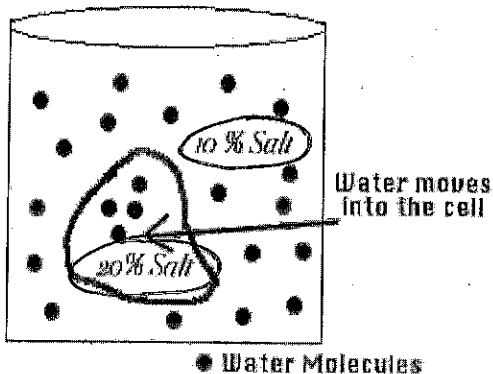
## Solution is Isotonic



If the concentration of solute (salt) is \_\_\_\_\_ on both sides, the water will move \_\_\_\_\_ but it won't have any result on the overall amount of water on either side.

"ISO" means the \_\_\_\_\_

## Solution is Hypotonic



The word "HYPO" means \_\_\_\_\_, in this case there are less solute (salt) molecules outside the cell, since salt sucks, water will move \_\_\_\_\_ the cell.

The cell will gain water and grow \_\_\_\_\_. In plant cells, the central vacuoles will fill and the plant becomes stiff and rigid, the \_\_\_\_\_ keeps the plant from bursting

In animal cells, the cell may be in danger of bursting, organelles called *CONTRACTILE VACUOLES* will pump water out of the cell to prevent this.